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(71) Applicant (<i>for all designated States except US</i>): GREAT LAKES CHEMICAL (EUROPE) GMBH [CH/CH]; Juchstrasse 45, CH-8500 Frauenfeld (CH).			
(72) Inventors; and (75) Inventors/Applicants (<i>for US only</i>): RENZI, Fiorenzo [IT/IT]; Viale Titano, 33A, I-48100 Cervia (IT). BENDANDI, Andrea [IT/IT]; Via Val di Fiemme, 34, I-48100 Ravenna (IT). FORESTIERI, Roberto [IT/IT]; Via Val Gardena, 34, I-48100 Ravenna (IT). NODARI, Nero [IT/IT]; Via Berardi, 36, I-48100 Ravenna (IT).			
(74) Agents: FRANCK, Peter et al.; Uexküll & Stolberg, Beselerstrasse 4, D-22607 Hamburg (DE).			

(54) Title: LIQUID COMPOSITION POLYMERIZABLE INTO ORGANIC GLASSES HAVING GOOD OPTICAL AND PHYSICO-MECHANICAL PROPERTIES

(57) Abstract

Liquid composition which can be polymerized into organic glasses, by means of radical polymerization with low shrinkage, comprising the product obtained from the trans-esterification of a diallycarbonate (A) with a mixture of one or more linear or branched aliphatic diols (B), containing from three to ten carbon atoms in the molecule, with a linear or branched aliphatic polyol (C), containing from four to twenty carbon atoms and from three to six hydroxyl groups in the molecule. The molar ratio A/(B+C) in the above polymerizable liquid composition ranges from 2/1 to 5/1 and the quantity of (C) in the mixture (B+C) is equal to or less than 25 % by weight with respect to the total weight of this mixture.